ABSTRACT

To provide a light receiving device, a light detecting device, and an optical signal reproducing device each of which allows one to perform many different computations in detecting aberration amounts and focus error quantities without requiring exact position relations between laser light to be received and light receiving elements, and between the light receiving elements.

First and second light receiving elements $43_+$ and $43_-$ are used which receive condensed light at positions equidistantly spaced from an focal point X before and after the light images, respectively. Each of the light receiving elements includes: a first light receiving area $43a_+$ ($43a_-$) for receiving a light flux of a central part of laser light to be received; a second light receiving area $43b_+$ ($43b_-$) for receiving light not containing the light flux of the central part of the laser light to be received; and a third light receiving area $43c_+$ ($43c_-$) adjoining a side of the second light receiving area which is opposite to the first light receiving area. Computations for aberration amount detection and focus error quantity detection are performed according to situations by using output signals from the light receiving areas of the first and second light receiving elements $43_+$ and $43_-$.